

Hamateur Chatter

*A publication of the Milwaukee Radio Amateurs' Club, Inc.
One of the World's Oldest Continuously Active Radio Amateur Clubs - since 1917*

Volume 17 No. 3

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March 2009

President's Letter

Effective March 23rd, I am resigning as president of MRAC. For many months, I have not devoted the time or energy to the job that it deserves. I do want to thank the membership for their support in the last elections (well, the ones where you actually had to vote!). I will hope to continue to serve in the club, but in roles more suited to my temperament and available time. The Board is already in the process of transition. You will be hearing more about this at the club meeting and in the Chatter.

Thanks go to Dave Schank KA9WXN for his back to back presentations to the club on digital TV and D-Star. Nice of QST to go along with the theme by including a review of the D-Star Dongle in the February issue. By the way, if anybody happens to pick one of those up, it would be a good subject to bring up during Buzztalk. There will be a forum on this topic at Superfest .. which leads me to ...

Superfest! April 3rd and 4th this year. The club will have a table. If you can help out by sitting at the table for a short time, contact Mike KC9CMT at the meeting.

Here's your reminder that dues are due. The club has stayed on good financial footing over the past several years but only just. Expenses are not likely to go down, and we're running behind on renewals. It would be greatly appreciated if you could take care of this soon (and a big thank you if you already have).

I am writing this before the WI QSO Party, but you will almost certainly be reading it after. Too late to encourage you to participate, but if you did, it's not too late to encourage you to put "MRAC" in the "Club Affiliation" blank at the top of the form. It's a simple way to help promote the club. Don't forget, also, to mention the upcoming club auction (May 28th) during nets and QSOs. Let's have a great turnout!

73 de Howard Parks, AB9FH

Board Meeting Minutes

February 23rd, 2009

Present: Howard AB9FH, Sarah KB9ZNC, Mark AB9CD, Dave WB9BWP, Al KC9IJJ, Mike KC9CMT, Dave KA9WXN, Brian K9LCQ.

The meeting was called to order at 6:39 pm.

Because the secretary was delayed the president read the minutes. There were some corrections noted for clarity.

Al KC9IJJ moved to accept the minutes as amended, Dave KA9WXN seconded, and the motion passed.

The treasurer presented his report. Dues have started to come in, but not very many. The money to cover the MATC DSL Group's share of the phone/DSL bill for the year has come in. Mike KC9CMT moved to accept the report, Al KC9IJJ seconded it, and the motion passed.

Insurance - Howard AB9FH was asked to find the original bill from this Fall for the club's liability insurance. The latest paperwork from our insurance provider that indicates we need to pay an additional \$13 should be posted to the Yahoo group.

Bylaws - all recommended changes for the 2008 version have been incorporated. If nothing more is suggested, the current version will be posted to the website. There was a side discussion of how to use polls for voting or to vote by email. Issues included: is it okay that persons can change their vote up to the time it is closed. This is not an option when a vote is taken in a meeting. Also, the automatic closing on the Yahoo group does not seem to work.

Mark AB9CD composed a bylaw change to cover electronic meetings. There was discussion on the wording.

The following was the version voted on: "As permitted by Wisconsin Statute 181 MRAC shall permit electronic communications to conduct business in the same manner as in-person meetings. All board members must receive notice of the business to be conducted electronically. Any motion presented for discussion and voted electronically shall be deemed accepted once a majority of the board approves the motion."

Brian K9LCQ moved to approve this language, Mark AB9CD seconded the motion, and it was passed.

The Board directed the president to mention at the upcoming general meeting that April will be a special meeting for the purpose of amending Article IV, Section 7.

Archives – there was discussion of the volume of club archives that need to be dispositioned as well as the

time line by which they must be moved from their current location. Board members identified Monday, March 9th as a potential date for the meeting to set guidelines for what should be kept in hard copy and what can be thrown out.

Mark AB9CD reviewed a preliminary budget for 2009 club expenses. Brian K9LCQ moved to accept the budget and review it in six months. Mark AB9CD seconded, and the motion passed.

The Board decided to encourage more donations for refreshments, as very few donations were received last month. Mark AB9CD moved to donate \$100 to the church, and Al KC9IJJ seconded. This motion passed.

Elections - a basic time-line for the nomination-election process was set up: nominations committee formed in February, a report given on nominations in March, open nominations in April and the election in May.

A flyer will be made for promoting the auction; Dave WB9BWP said he would make it. 10% commission was suggested for non-donated items.

We also should be promoting Field Day. It was noted that the bike Tour de Cure will have a rest stop for a time at Pioneer Village.

The general opinion was the club ought to participate in Pioneer Village's free weekend, but action must be taken soon.

Al KC9IJJ moved to allot \$300 to the Field Day chairman for all Field Day expenses (club picnic expenses not included). Mike KC9CMT seconded the motion, and it passed. Al KC9IJJ then moved to adjourn, and Brian K9LCQ seconded. The motion passed.
8:56 PM

*Respectively submitted
Sarah Parks, KB9ZNC*

General Meeting Minutes

February 26th, 2009

8:26 PM

The mic was passed for all to ID. The minutes were read. No corrections were offered, so Al KC9IJJ moved to accept them as read and Dwain KC9MJJ seconded. The motion passed.

Mark AB9CD read the treasurer's report for January. Joe N9UX moved to accept the report, and Al KC9IJJ seconded. The motion passed.

Following Buzz Talk, our president noted that AES

Superfest is on April 3rd and 4th; contact Mike KC9CMT if you can man the table for a bit.

Joe N9UX gave a report on the FM Simplex Contest, encouraging those who had not sent in their logs to do so.

Elections are in May; start considering if you could run for office! Also in May is the club auction. Howard AB9FH encouraged the membership to promote it as much as possible, on and off air.

As of February 23rd, only 20 renewals have been received. This is not enough to keep the club going; if you haven't renewed yet, please do so soon.

The board of directors is working on re-wording the part of the by-laws relevant to actions taken outside of meetings, for clarification purposes. Howard AB9FH declared the April meeting a special meeting so a vote can be taken to allow or (disallow) such a change to the by-laws.

Mark AB9CD spoke on Field Day, encouraging the membership to think ahead about what modes and times they would like to operate.

Howard AB9FH noted that our next program will be on the NCVEC, given by Tom KF9PU.

Dwain KC9MJJ moved to adjourn, and Tom N9UFJ seconded it. One vote opposed, the motion passed.
8:44 PM

*Respectively submitted
Sarah Parks, KB9ZNC*

Repeater Report

For the month of February the repeater was working to expectations. There was no downtime.

New Board Member

We have a new board member, Mike Harris, KC9CMT. Mike graciously stepped forward and offered to fill the remaining open director position, his term will expire in 2009. Thanks so much Mike for stepping forward to fill this important position!

2009 Dues are Due

All members who have not as yet paid their 2009 dues are reminded that payment is now past due. MRAC membership renewal notices were emailed to all members at their email or home address in January. The deadline to pay dues was January 31. Members who have not paid dues by April 5th will be dropped from membership. Members have had several opportunities to pay dues. Please pay your dues at the March membership meeting, at Superfest or send

your due payment in by the USPS. A renewal form has been included with this newsletter.

FM Simplex Contest Club Call Station

If you participated in the FM Simplex Contest or just read the rules, you know there is a 10 point bonus for making contact with the club call station W9RH. More years than not, Joe N9UX has stepped up and operated the club call station. As Joe is a VHF/UHF operator, he gives up the chance to score in the contest. This year the contest committee was looking for someone else to operate the club call station and let Joe participate in the contest. I volunteered to operate the station if no one else wanted the job. No one did and I did. Here is my experience.

I've done OK in past simplex contests. Located in Brown Deer, I can hear the south side of Milwaukee (for those southern grid squares) and have no problem getting out to the north. I checked my radio and antennas the week before the contest. Everything was hitting the local repeaters. My six meter antenna is a bit weak and Joe N9UX had an antenna I could borrow. Sunday morning I put this antenna up at 30 feet and was ready to go.

The start of the contest is at 1 PM and I start calling. I quickly get KA9WXN and we are off to the races. Everything looks good, except no one can hear me! What's going on! I manage to get another close by contact (also from high ground), but NOTHING else for the full hour. Everything looks OK on the antenna (I went out and looked), nothing appears wrong with SWR... I'm just not making contacts. This is not good!

I hope things will improve on 70 cm, but I'm concerned. My 2 m/70 cm antenna is a home made J-pole. Jerry Wahlen, WA9CGE, provided me with a J-pole and the plans when I first became a ham. I built a copy of the one I was given and put it up at 30 feet. Again, KA9WXN is a quick easy contact and then nothing. Terrible! One and a half hours and 3 contacts with just two different stations. I know folks are looking for the club call station for the bonus points and I'm not able to give them.

Then we move to 6 meters. Lots of contacts! Excellent! Joe's GP52 antenna is working great. I make 11 contacts, many more than I have in the past. The good news is I have contacted many of the stations I contacted in the past contests... and they get the 10 point bonus.

Next band is 1.25 m. My J-pole antenna (also up about 30 feet) is working as in the past. I make all the usual contacts on 1.25 m and a couple of new ones. So I learned from the contest I have a bad antenna. It looks good... just doesn't work good. Why? Thinking

back, I remember pruning a neighbor's tree this summer because it was 'close' to my antenna. Hmmm... maybe in the wind, it was more than 'close' and it got knocked around a bit? Something to work on when the snow depth goes to zero and the temperatures get a bit more above zero.

So what lessons were learned? Don't use a repeater to check simplex operations. Next year I'll talk to some folks simplex at a distance to verify my equipment. I need to get a better 6 m antenna as the one borrowed from N9UX worked much better than mine. On the other hand, I should recheck why mine isn't working that well.

Even with the bad antenna, I had fun. I recommend everyone give the contest a try. No word on if we won the club award this year... the results are still being tallied. Look for them to be published around Superfest time.

Until next year, AB9CD.

AES Superfest

We are looking for a few good club members to help staff the club table at Superfest. Contact Mike, KC9MCT as the Superfest coordinator to volunteer! And no, you don't have to be there all day... scheduling as little as an hour or two will be appreciated.

HOURS:

*Friday, April 3rd
2:00PM to 6:00PM*

*Saturday, April 4th
8:30AM to 3:00PM*

Upcoming May Elections

It is nearing that time of the year when we need to think about the upcoming club elections. This being an odd year, 3 director positions will expire. Al, KC9IJJ, Brian, K9LCQ and Mike, KC9CMT. We will need three or more people to be nominated and run for the director positions. If you have concerns on the direction the Board of Directors are handling the club business; now is your chance to take a leadership position. Nominations will be taken at the April meeting.

Got Junk?

The May meeting of MRAC is the annual auction. The tradition of auctions goes back to the 1920's. Gather up the stuff you are not using and bring it down to be auctioned off. In recent years a lot of the stuff brought down is donated to the club. That is very much appreciated but not necessary, especially if you need

the money.

Have some stuff you no longer need but you don't want to throw it away and you don't think it is worth the effort to take to a hamfest, auction, eBay, etc? That sounds like something for the club raffle table. Bring your unwanted stuff down and put it on the raffle table. The club sells tickets for \$.50 a piece and when your number is called, you get to choose from the items on the table. The club makes a few bucks, some people get to get rid of some of their stuff and other people get to add to their collection of stuff.

Have any old magazines or books on radio, electronics, hobbies, whatever (you should probably keep your old Playboys). Bring them down too, all magazines are free for the taking from the table.

The raffle takes place at every meeting except for the May auction meeting.

Dave DeFebo, WB9BWP, Auctioneer

Flood Safety Awareness Week

March 16-20, 2009

Flooding is a coast to coast threat to the United States and its territories in all months of the year. National Flood Safety Awareness Week is intended to highlight some of the many ways floods can occur, the hazards associated with floods, and what you can do to save life and property.

Tornado & Severe Weather Awareness Week in Wisconsin

April 21st - 25th 2008

The Wisconsin Emergency Management team and the five National Weather Service Forecast Offices that service Wisconsin are asking that everyone take time to go over their safety plans so that they will be ready when severe weather strikes.

Wisconsin averages 21 tornadoes per year, with most tornadoes occurring in the 3 to 9 P.M. time-frame. The busiest spin-up hour is 6:00PM to 7:00P.M. The peak tornado season in Wisconsin is May through August, with June having the greatest number of tornadoes. A record-setting 62 tornadoes occurred in 2005, followed by 43 in 1980. In 2007, Wisconsin had 18 tornadoes, including one EF3 tornado that tracked over 40 miles - the longest tornado track in the United States for that year. The "average" Wisconsin tornado has a 10 minute duration, a path length of about 6 miles, and a damage width of about 125 yards.

Become a Storm Spotter

The storm spotter is an individual who takes a position near their community and reports wind gusts, hail size,

rainfall, and cloud formations that could signal a developing tornado.

Who Can Be A Storm Spotter?

Almost anyone can be storm spotter, they come from all walks of life. Typically they are emergency services personnel, volunteer groups and organizations (ham radio, REACT members), cooperative observers or individual citizens. They can young adults to retired. A keen interest in weather and serving their community is a common bond.

Why Have Spotters?

The NWS needs to know what the storms are doing at ground level. Because Doppler radars are designed to look into the heart of storm clouds it cannot see what is happening at ground level. "Ground-truth" storm spotter reports allow the meteorologist to better correlate radar data and spotter reports to issue more accurate and timely weather warnings, thus protecting life and property.

A couple of Spotter Classes

March 28th

Milwaukee Co. – West Allis – Lutheran Church off of Lincoln and 98/99th, sponsored by Milwaukee Area Skywarn Association, 7:00PM to – 9:00PM.

<http://www.mke-skywarn.org/>

April 7th

Milwaukee Co. - Greenfield Fire Department #2, on 92nd Street, just south of Coldspring, (for radio amateurs only.)

Relevant Websites:

<http://www.crh.noaa.gov/mkx/>

<http://www.sulcom.info/>

<http://www.skywarn.org/>

<http://www.crh.noaa.gov/mkx/?n=spotter-schedule>

Field Day

We will again operate from the very comfortable confines of train depot at Pioneer Village. If you haven't attended a FD at the train depot, it is worth trip just to get a free look at the depot. Mark your calendars for June 27th and 28th.

Last year the phone ops and the digital mode ops got a bit competitive. The use of computer logging allowed

everyone to watch their "competition's" scores and make sure they operated long enough to put their mode in the lead.

The MRAC FD operation is low key, so once in the lead, there was time to walk around, get some eyeball QSOs on the log sheet and have something to eat and drink before going back to reclaiming the lead.

We hope to promote some friendly competition again this year!

Speaking of this year, we will do a few things different. We should have all the same features those that come to FD regularly expect, but we hope to have members bring out any gear they would like to share with the group, show off or test out in real FD conditions.

Have a battery operated station? Bring it out. Been working on a new mode in your shack and want to try it out in the field? We'd like to see it. Have a portable antenna idea that needs testing? We'd like to see it get tested. The point here is we want to get members involved and have them share their ideas and experience with the rest of the group. I personally have learned more at FD from other participants than from almost any other operating activity. Come to think of it, it may just be flat out number one.

We would like those with experience to make an impression on the rest of us. This may mean a new ham of a year or two might show the veterans of the hobby something they never saw before. It might mean one of our decades old members will 'educate' some of us kids. It's all part of the fun. Have a goal for operating? We will accommodate. I already have one operator that wants to work CW (listen up you phone guys). He has a station and will work both days for quite a few hours. If you want to work a station of your own, go ahead and bring it. Contact me ahead of time and we'll plan times and antennas for your use. Knowing who wants to work what mode or radio in advance will let us accommodate. I would be pleased if we found we were short on radios or antennas for everyone wanting to operate their favorite mode or equipment.

Of course the die-hards show up on Saturday and leave on Sunday and never leave the grounds in between. That's great and a good part of the FD fun. However, do you want to work a couple of hours and get back to real life? No problem. Want to work a full day? No problem. Let us know when you can come out and the plan will accommodate.

At present, the plan for the actual day will be the same as in the past. Those that can assist with setup will arrive at Pioneer Village at 8:00AM and being the business of getting down to business. About noon the Club Picnic Committee should have some eats

available and at 1:00PM we start operating.

We operate on Sunday until well past noon. Those that are squeezing out the last few points can run to 1:00PM. Others will be taking down and preparing to go home a bit before then. The whole effort is usually wrapped by 3:00PM.

It seems like June is a long ways away (and the new snow makes it feel that way), but the planning and preparations must be done starting now. So let me know what YOU want to see at FD. Let me know when YOU want to operate. Let me know what YOU want to operate. This is a club effort and the members should get to do what THEY want to do.

Remember this is a good time to bring that friend or family member that might have a bit of the ham radio bug in them. We can put them at a radio and guide them into making contacts. Who knows where it might lead?

We'll publish more info on FD as more information is available and we receive requests for stations/modes/times/etc. Remember, just over 3 months to FD. Mark the dates on your calendar now!

Anyone wanting in on the fun before FD, we are always looking for help with the preparations. Contact us via the MRAC Yahoo Group or email me at ab9cd@ar1.net. Until next time, The FD Committee.

For a Google map.

http://www.w9rh.org/map_to_field_day_site.htm

Mark Tellier, AB9CD, Field Day Chairman

Field Day - Update

The cold weather just after the last update put a chill on field day planning. Once again the weather has improved and thoughts return to FD. So far we are operating 2A but that is sure to increase as we get closer to June. Remember if you have a radio or antenna you wish to operate with at FD, contact the FD captain to reserve a location and operating time. Better yet, join the crew that stays for the full 24 hours of FD fun.

We are hoping to see a new addition to the FD antenna farm this year. More on the "Christmas" tree in future updates.

The FD captain is still looking for some one to work with for this year FD effort in preparation for FD 2010. The club needs its' members to support the operating activities and FD is one of the regular and long term events sponsored by the club. Check the club history and you'll see MRAC was active in the very first FD. Please consider helping to keep this streak intact.

We will be purchasing FD items from the ARRL. See the article elsewhere in the newsletter.

Until next time,
73,
Your FD Captain

Field Day - Free Shipping

Hey, the free shipping works for Amazon and Newegg, why not for MRAC?

We will be ordering FD pins, shirts and any of the other ARRL FD items offered by the ARRL. The logo for FD 2009 is:



Check the [ARRL website](http://www.arrl.org) at for the items that are available. The club will place a group order following the May meeting (the auction meeting). Item must be pre-paid at the time of order. The shipping will be paid with a donation received by the club to help promote FD activity. Items ordered will be available at the June meeting or at FD.

Among the list of items available are the normal pins, shirts and hats. This year you can even get a water bottle (wow!). Missed a pin from a previous year? Some are still available and we can group order them as well. For 2009, pins are \$5, T shirts are \$12.95 and hats are \$9.95. Go to the website for other items and prices.

See our FD captain Mark Tellier, AB9CD, to order an item or email him at ab9cd@arrl.net.

W9RH Repeater Friendship Award

The Board of Directors has decided to resurrect W9RH Repeater Friendship Award. This award is available to any club member who has successfully worked 20 or more club members through the W9RH repeater and has presented the necessary log per club rules for the award. In doing so, they have made a special effort to promote the use of the repeater and fellowship among club members.

What is required for the log? Your call, contact call,

time and date.

Editors Note: Be the net control station for the Friday Night Net for an easy way to obtain the necessary contacts.

The Amateur's Creed

The Amateur Creed was composed in 1928 by Paul M. Segal - then 9EEA in Denver, and General Counsel of the ARRL. The creed has been updated a few times over the intervening years, to update the text and put it into contemporary terms. The Amateur's Creed appears in a number of ARRL publications such as the Handbook, and is just as valid today as it has been for over 80 years.

- Considerate...never knowingly uses the air in such a way to lessen the pleasure of others.
- Loyal...offers loyalty, encouragement and support to their fellow radio amateurs, their local radio club, and to the American Radio Relay League, through which Amateur Radio is represented.
- Progressive...with knowledge abreast of science. It is well-built and efficient. Operating practice is above reproach.
- Friendly...slow and patient sending when requested, friendly advice and counsel to the beginner, kindly assistance, cooperation and consideration for the interests of others. These are marks of the amateur spirit.
- Balanced...radio is their hobby. They never allow it to interfere with any of the duties they owe to their home, job, church, school, or community.
- Patriotic...their knowledge and their station are always ready for the service of his country and their community.

Next Regular Meeting

The next meeting will be March 26th at 7:00PM. We meet in the Fellowship Hall of Redemption Lutheran Church, 4057 N Mayfair Road. Use the south entrance. The program will be Tom, KF9PU who talk on the NCVEC.

Please do not call the church for information!

VE Testing

Saturday, April 4th

SUPERFEST – 9:00AM

Saturday, April 25th

AES - 9:30AM

- Our Ten Meter SSB net is Friday at 8:00PM on 28.490 MHz \pm 5 KHz USB.
- Our Two Meter FM net follows at 9:00PM on our repeater at 145.390MHz - offset (PL 127.3)

Saturday, May 30th

AES - 9:30AM

Saturday, July 25th

AES - 9:30AM

AES / SUPERFEST
Amateur Electronic Supply
5720 W. Good Hope Rd.
Milwaukee, WI 53223

Local Swapfests**April 3rd & 4th**

Superfest 2009
AES Milwaukee
<http://www.aesham.com/superfest.shtml>
Talk-In: 145.130MHz – offset (PL 127.3)

May 2nd

Spring Swapfest
Ozaukee Radio Club
Circle B Recreation Center
<http://www.ozaukeeradioclub.org>
Talk-In: 146.970MHz - offset (PL 127.3)

August 15th

Racine Megacycle Freefest 2009
Racine Megacycle Club
Fireman's Park
<http://www.w9udu.org>
Talk-In: 147.270MHz + offset (PL None)

September 12th

ORC Fall Ham & Hobby Swapfest
Ozaukee Radio Club
Fireman's Park
<http://www.ozaukeeradioclub.org>
Talk-In: 146.970MHz - offset (PL 127.3)

NETS

- Our Six Meter SSB net is Thursday at 8:00PM on 50.160 MHz USB

Officers and Directors**Terms Expiring in 2010**

- President – Howard, AB9FH
- Vice-President – Brian, KC9HEK
- Secretary – Sarah, KB9ZNC
- Treasurer – Mark, AB9CD
- Director – Dave, WB9BWP
- Director – Dave, KA9WXN

Terms Expiring in 2009

- Director – Al, KC9IJJ
- Director – Brian, K9LCQ
- Director – Mike, KC9CMT

Working Committees**Field Day**

- Mark - AB9CD

FM Simplex Contest

- Sherm – KB9Q
- Joe – N9UX
- Jeff – K9VS
- Mark – AB9CD
- Brian – K9LCQ

Ticket drum and drawing

- Tom – N9UFJ
- Jackie – No Call

Newsletter Editor

- Open

Webmaster

- Open

Refreshments

- Mike – KC9CMT

Membership Information

The Hamateur Chatter is the newsletter of MRAC (Milwaukee Radio Amateurs' Club), a not for profit organization for the advancement of amateur radio and the maintenance of fraternalism and a high standard of conduct.

MRAC Membership dues are \$17.00 per year and run on a calendar year starting January 1st. MRAC general membership meetings are normally held at 7:00PM the last Thursday of the month except for November when Thanksgiving falls on the last Thursday when the meeting moves forward 1 week to the 3rd Thursday and December, when the Christmas dinner takes the place of a regular meeting.

Club Contact Information

Our website address

<http://www.w9rh.org>

Telephone

(414) 332-MRAC (6722)

Address correspondence to
MRAC

PO Box 070695,
Milwaukee WI 53207-0695.

Email may be sent to

w9rh@arrl.net

Our YAHOO newsgroup:

<http://groups.yahoo.com/group/MRAC-W9RH/>

Milwaukee Radio Amateurs' Club, Inc.
P.O. Box 070695
Milwaukee, WI 53207-0695

Member Address Label

Milwaukee Radio Amateurs' Club, Inc.

P.O. Box 070695
Milwaukee, WI 53207-0695

2009 Membership/Renewal Application

Date _____ For office use only: PT R C CK AMT _____ No. _____ Date: _____

Name _____ Callsign _____

Spouse or Family member name _____ Callsign _____

1st Address _____

2nd Address _____

City _____ State _____ Zip Code _____

Telephone Contact Number _____ Home Cell Office Other _____

E-mail address _____

The MRAC newsletter is sent via email. There is a subscription fee for USPS delivery of the newsletter. Do you wish to receive the club newsletter via US Mail (\$10 Subscription)? ☐ Yes ☐ No

Membership Type Applied for (check only one)

☐ Regular \$17.00 ☐ Family \$17.00 ☐ Associate \$17.00 ☐ Life (no charge)
(w/Chatter, check US Mail above)

Applicants License Class

☐ None ☐ Novice ☐ Technician ☐ Technician Plus ☐ General ☐ Advanced ☐ Extra

Spouse or Family License Class

☐ None ☐ Novice ☐ Technician ☐ Technician Plus ☐ General ☐ Advanced ☐ Extra

ARRL member?

Applicant ☐ Yes ☐ No

Spouse/Family ☐ Yes ☐ No

Participated in any Milwaukee Radio Amateurs' Club training?

Code on the Air ☐ Yes ☐ No Classroom ☐ Yes ☐ No

Code on the Air ☐ Yes ☐ No Classroom ☐ Yes ☐ No

Club Interests:

☐ Teaching ☐ Field Day ☐ Volunteer Examiner ☐ Officer

☐ Director ☐ Net Control ☐ Repeater ☐ Other _____

Committee interests:

☐ Newsletter ☐ Field Day ☐ Repeater ☐ Refreshments

☐ Public Relations ☐ Archives ☐ Meeting Programs

☐ Christmas Party ☐ Other _____

Amateur radio interests: _____

Enclose a check for the appropriate amount and mail it to the address above.

Membership year runs from January 1 through December 31

Received from _____

Date _____

The Sum of _____ Dollars

Cash/Check # _____

For Milwaukee Radio Amateurs' Club dues 2009

Amount _____

Signed _____